Liberia - Household Income and Expenditure Survey 2016

Liberia Institute of Statistics and Geo-Information Services

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Identification

SURVEY ID NUMBER
LBR_2016_HIES_v01_M

TITLE
Household Income and Expenditure Survey 2016

ABBREVIATION OR ACRONYM
HIES 2016

COUNTRY

Name	Country code
Liberia	LBR

STUDY TYPE
Income/Expenditure/Household Survey [hh/ies]

SERIES INFORMATION
The Household Income and Expenditure Survey (HIES) 2016 is the third after the HIES of 1964 and the partially completed HIES of 2014 (interrupted due to the Ebola Virus Disease). With an improved design, the survey fieldwork was concluded on January 19, 2017.

ABSTRACT
The main purpose of the Household Income Expenditure Survey (HIES) 2016 was to offer high quality and nationwide representative household data that provided information on incomes and expenditure in order to update the Consumer Price Index (CPI), improve National Accounts statistics, provide agricultural data and measure poverty as well as other socio-economic indicators.
These statistics were urgently required for evidence-based policy making and monitoring of implementation results supported by the Poverty Reduction Strategy (I & II), the AfT and the Liberia National Vision 2030.
The survey was implemented by the Liberia Institute of Statistics and Geo-Information Services (LISGIS) over a 12-month period, starting from January 2016 and was completed in January 2017. LISGIS completed a total of 8,350 interviews, thus providing sufficient observations to make the data statistically significant at the county level. The data captured the effects of seasonality, making it the first of its kind in Liberia.
Support for the survey was offered by the Government of Liberia, the World Bank, the European Union, the Swedish International Development Corporation Agency, the United States Agency for International Development and the African Development Bank. The objectives of the 2016 HIES were:

1. Update the Consumer Price Index (CPI): To obtain a new set of weights for the basket of goods and services that upgrade the Monrovia Consumer Price Index (MCPI) and the National Consumer Price Index (NCPI) and to revise the CPI basket of goods and services in Liberia to reflect the current consumption pattern of residence.
2. Improve National Accounts Statistics: To get information on annual household expenditure patterns in order to update the household component of the National Accounts.
3. Measure Poverty: To prepare robust poverty indices that enable the understanding of poverty dynamics across the country and of the factors influencing them.
4. Improve Agricultural Statistics: To obtain nationally representative and policy relevant agricultural statistics in order to undertake in-depth analysis of agricultural households.
5. Capture Socio-economic Impact of Ebola Virus Disease (EVD): To obtain a post-EVD dataset which allows for an in-depth analysis of the socioeconomic impact of EVD on households.
6. Benchmark Agenda for Transformation Indicators: To provide an update on selected socioeconomic indicators used to benchmark the government's policies embedded within the Agenda for Transformation.
7. Develop Statistical Capacity: Emphasize capacity building and development of sustainable statistical systems through every stage of the project to produce accurate and timely information about Liberia.

KIND OF DATA
Sample survey data [ssd]

UNIT OF ANALYSIS
- Households
- Individuals

Version

VERSION DESCRIPTION
v01

Scope

NOTES
The HIES 2016 survey covered the following topics:
- Household demographic characteristics
- Poverty
- Inequality
- Food security
- Household characteristics
- Education
- Health
- Employment
- Household non-farm enterprises
- Agriculture
- Transfers
- Shocks
- Subjective welfare

Coverage

GEOGRAPHIC COVERAGE
National

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Liberia Institute for Statistics and Geo-Information Services	Government of Liberia

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
Government of Liberia	GovLBR	
The World Bank	WBG	Technical and financial assistance
Swedish International Development Cooperation Agency	Sida	
United States Agency for International Development	USAID	
African Development Fund	AfDB	
European Union	EU	

Sampling

SAMPLING PROCEDURE
The original sample design for the HIES exploited two-phased clustered sampling methods, encompassing a nationally representative sample of households in every quarter and was obtained using the 2008 National Housing and Population

Census sampling frame. The procedures used for each sampling stage are as follows:

i. First stage

Selection of sample EAs. The sample EAs for the 2016 HIES were selected within each stratum systematically with Probability Proportional to Size from the ordered list of EAs in the sampling frame. They are selected separately for each county by urban/rural stratum. The measure of size for each EA was based on the number of households from the sampling frame of EAs based on the 2008 Liberia Census. Within each stratum the EAs were ordered geographically by district, clan and EA codes. This provided implicit geographic stratification of the sampling frame.

ii. Second stage

Selection of sample households within a sample EA. A random systematic sample of 10 households were selected from the listing for each sample EA. Using this type of table, the supervisor only has to look up the total number of households listed, and a specific systematic sample of households is identified in the corresponding row of the table.

Data collection

DATES OF DATA COLLECTION

Start	End
2016-01	2017-01

DATA COLLECTION MODE

Face-to-face [f2f]

SUPERVISION

The data collection for the HIES used fourteen teams that included one supervisor, four enumerators, one GIS specialist who doubled up as an enumerator, one data entry clerk, and one driver. During each quarter, a monitoring team from LISGIS headquarter visited the field teams to observe fieldwork, assess data quality, and provide feedback and further training where applicable.

DATA COLLECTORS

Name	Abbreviation	Affiliation
Liberia Institute for Statistics and Geo-Information Services	LISGIS	Government of Liberia

Questionnaires

QUESTIONNAIRES

There were three questionnaires administered for this survey:

1. Household and Individual Questionnaire
2. Market Price Questionnaire
3. Agricultural Recall Questionnaire

Data Processing

DATA EDITING

The data entry clerk for each team, using data entry software called CSPro, entered data for each household in the field. For each household, an error report was generated on-site, which identified key problems with the data collected (outliers, incorrect entries, inconsistencies with skip patterns, basic filters for age and gender specific questions etc.). The Supervisor along with the Data Entry Clerk and the Enumerator that collected the data reviewed these errors. Callbacks were made to households if necessary to verify information and rectify the errors while in that EA.

Once the data were collected in each EA, they were sent to LISGIS headquarters for further processing along with EA reports for each area visited. The HIES Technical committee converted the data into STATA and ran several consistency checks to manage overall data quality and prepared reports to identify key problems with the data set and called the field teams to update them about the same. Monthly reports were prepared by summarizing observations from data received from the field alongside statistics on data collection status to share with the field teams and LISGIS Management.

Access policy

CONTACTS

Name	URL
Liberia Institute of Statistics and Geo-Information Services	[Link](#)

CITATION REQUIREMENTS
Use of the dataset must be acknowledged using a citation which would include:
- the Identification of the Primary Investigator
- the title of the survey (including country, acronym and year of implementation)
- the survey reference number
- the source and date of download

Example:

Liberia Institute for Statistics and Geo-Information Services. Household Income and Expenditure Survey (HIES) 2016, Ref. LBR_2016_HIES_v01_M. Dataset downloaded from [URL] on [date].

Disclaimer and copyrights

DISCLAIMER
The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

Metadata production

DDI DOCUMENT ID
DDI_LBR_2016_HIES_v01_M_WB

PRODUCERS

Name	Abbreviation	Affiliation	Role
Development Data Group	DECDG	The World Bank	Documentation of the study

DATE OF METADATA PRODUCTION
2018-03-15

DDI DOCUMENT VERSION
Version 01 (March 2018)

Data Dictionary

Data file	Cases	Variables
AG_01_&_FILT This dataset provides information from " Agricultural Recall Questionnaire" Section 1: Household Identification, Section 5A: Kuu/Hired Labour on Farm	4051	16
AG_02 This dataset provides information from " Agricultural Recall Questionnaire" Section 2: Household Member Roster	19431	16
AG_03 This dataset provides information from " Agricultural Recall Questionnaire" Section 3: Farm Roster	6210	16
AG_04 This dataset provides information from " Agricultural Recall Questionnaire" Section 4: Farm Details	6210	70
AG_5A_1 This dataset provides information from " Agricultural Recall Questionnaire" Section 5A: Kuu/Hired Labour on Farm	4612	27
AG_5A_2 This dataset provides information from " Agricultural Recall Questionnaire" Section 5A: Kuu/Hired labour on Farm	3455	27
AG_5A_3 This dataset provides information from " Agricultural Recall Questionnaire" Section 5A: Kuu/Hired Labour on Farm	1675	27
AG_5A_4 This dataset provides information from " Agricultural Recall Questionnaire" Section 5A: Kuu/Hired Labour on Farm	2841	27
AG_5B_1 This dataset provides information from " Agricultural Recall Questionnaire" Section 5B: Household Labour on Farm	8506	14
AG_5B_2 This dataset provides information from " Agricultural Recall Questionnaire" Section 5B: Household Labour on Farm	10974	15
AG_5B_3 This dataset provides information from " Agricultural Recall Questionnaire" Section 5B: Household Labour on Farm	10359	14
AG_5B_4 This dataset provides information from " Agricultural Recall Questionnaire" Section 5B: Household Labour on Farm	11827	14
AG_06 This dataset provides information from " Agricultural Recall Questionnaire" Section 6: Annual Crops by Farm	13131	42
AG_07 This dataset provides information from " Agricultural Recall Questionnaire" Section 7: Cassava by Farm	3214	29
AG_08 This dataset provides information from " Agricultural Recall Questionnaire" Section 8: Tree/Permanent Crop by Farm	3683	24
AG_09 This dataset provides information from " Agricultural Recall Questionnaire" Section 9: Sales/Storage	19558	63
AG_10A_1 This dataset provides information from " Agricultural Recall Questionnaire" Section 10: Livestock	17119	37

AG_10A_2 This dataset provides information from " Agricultural Recall Questionnaire" Section 10: Livestock	1900	15
AG_10B This dataset provides information from " Agricultural Recall Questionnaire" Section 10B: Livestock Products	7609	22
AG_11 This dataset provides information from " Agricultural Recall Questionnaire" Section 11: Farm Implements and Machinery	76969	14
AG_12 This dataset provides information from " Agricultural Recall Questionnaire" Section 12: Effects of Ebola Crisis	4052	36
ALLHH_A_weighted Dataset provides information on the weighting coefficient file. The weight file is used to derived estimates that are representative either at the HH-level or individual level.	8350	34
HH_A&FILT Dataset provides information for all sections where a filter question was asked. "Section H: hh_h_01a hh_h_01b, Section K: hh_k_08 hh_k_09), Section N: hh_n_11, Section O: hh_o_01, Section P1: hh_p1_01 hh_p1_02 hh_p2_01 hh_p2_02) and Section R: hh_r_02"	8350	32
HH_B This dataset provides information from " Household and Individual Questionnaire" Section B: Household Member Roster	36308	53
HH_C This dataset provides information from " Household and Individual Questionnaire" Section C: Education	36308	70
HH_D This dataset provides information from " Household and Individual Questionnaire" Section D: Health	36308	70
HH_E This dataset provides information from " Household and Individual Questionnaire" Section E: Labour	36308	106
HH_F This dataset provides information from " Household and Individual Questionnaire" Section F: Food Consumption Outside the Household	36308	22
HH_G This dataset provides information from " Household and Individual Questionnaire" Section G: Subjective Welfare	36308	27
HH_H This dataset provides information from " Household and Individual Questionnaire" Section H: Family/Household Non-farm Enterprises	5317	75
HH_I1 This dataset provides information from " Household and Individual Questionnaire" Section I: Food Security	8349	31
HH_I2 This dataset provides information from " Household and Individual Questionnaire" Section I: Food Security	4598	34
HH_J1 This dataset provides information from " Household and Individual Questionnaire" Section J: Housing, Water and Sanitation	8350	41
HH_J2 This dataset provides information from " Household and Individual Questionnaire" Section J: Housing, Water and Sanitation	108550	12
HH_K1 This dataset provides information from " Household and Individual Questionnaire" Section K: Consumption of food over past seven days in the household	876750	21

HH_K2
This dataset provides information from " Household and Individual Questionnaire" Section K: 18447 10
Consumption of food over past seven days in the household

HH_L1A
This dataset provides information from " Household and Individual Questionnaire" Section L: Non- 83500 12
food expenditures - past seven & thirty Days

HH_L1B
This dataset provides information from " Household and Individual Questionnaire" Section L: Non- 283900 12
food expenditures - past seven & thirty days

HH_L2
This dataset provides information from " Household and Individual Questionnaire" Section L2: Non- 292250 12
food expenditures - past twelve months

HH_M
This dataset provides information from " Household and Individual Questionnaire" Section M: 258850 19
Household Assets

HH_N1
This dataset provides information from " Household and Individual Questionnaire" Section N: 91850 21
Assistance, Groups and Other Sources of Income

HH_N2
This dataset provides information from " Household and Individual Questionnaire" Section N: 8350 16
Assistance, Groups and Other Sources of Income

HH_N3
This dataset provides information from " Household and Individual Questionnaire" Section N: 2689 22
Assistance, Groups and Other Sources of Income

HH_O
This dataset provides information from " Household and Individual Questionnaire" Section O: Credit 1566 24

HH_P1
This dataset provides information from " Household and Individual Questionnaire" Section P, Part A: 7059 20
Cash or gift transfers received

HH_P2
This dataset provides information from " Household and Individual Questionnaire" Section P, Part B: 4303 20
Cash transfers or gifts sent

HH_Q
This dataset provides information from " Household and Individual Questionnaire" Section Q: 10921 19
Recent Shocks to Household Welfare

HH_R1
This dataset provides information from " Household and Individual Questionnaire" Section R: 8350 209
Production of agricultural crops over the past twelve months

HH_S
This dataset provides information from " Household and Individual Questionnaire" Section S: 8350 11
Household Recontact Information

HH_R 8350 209